

Rev.E Mar.-2016

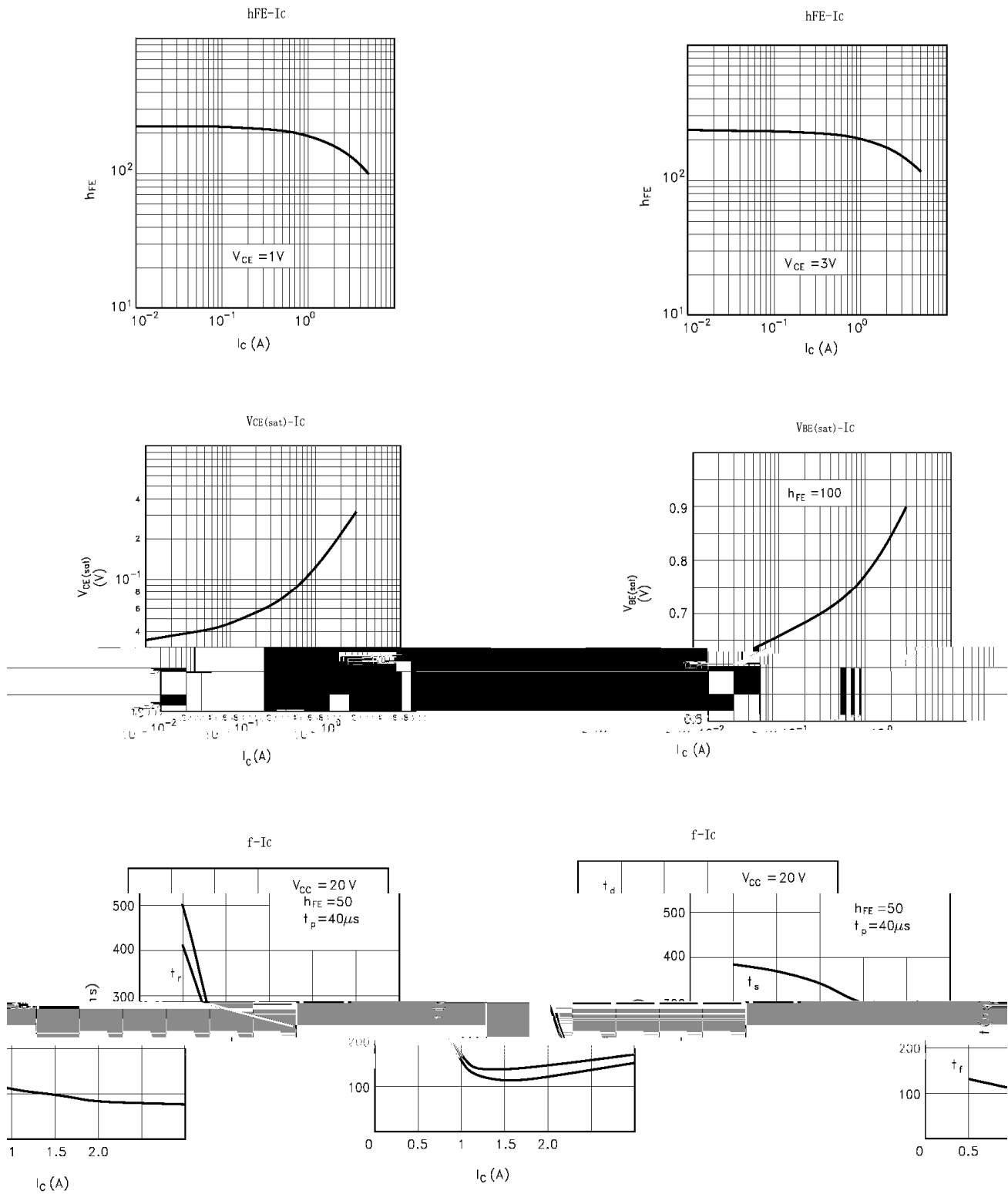
TO-92 PNP

Silicon PNP transistor in a TO-92 Plastic Package.

High I_C , low $V_{CE(sat)}$.

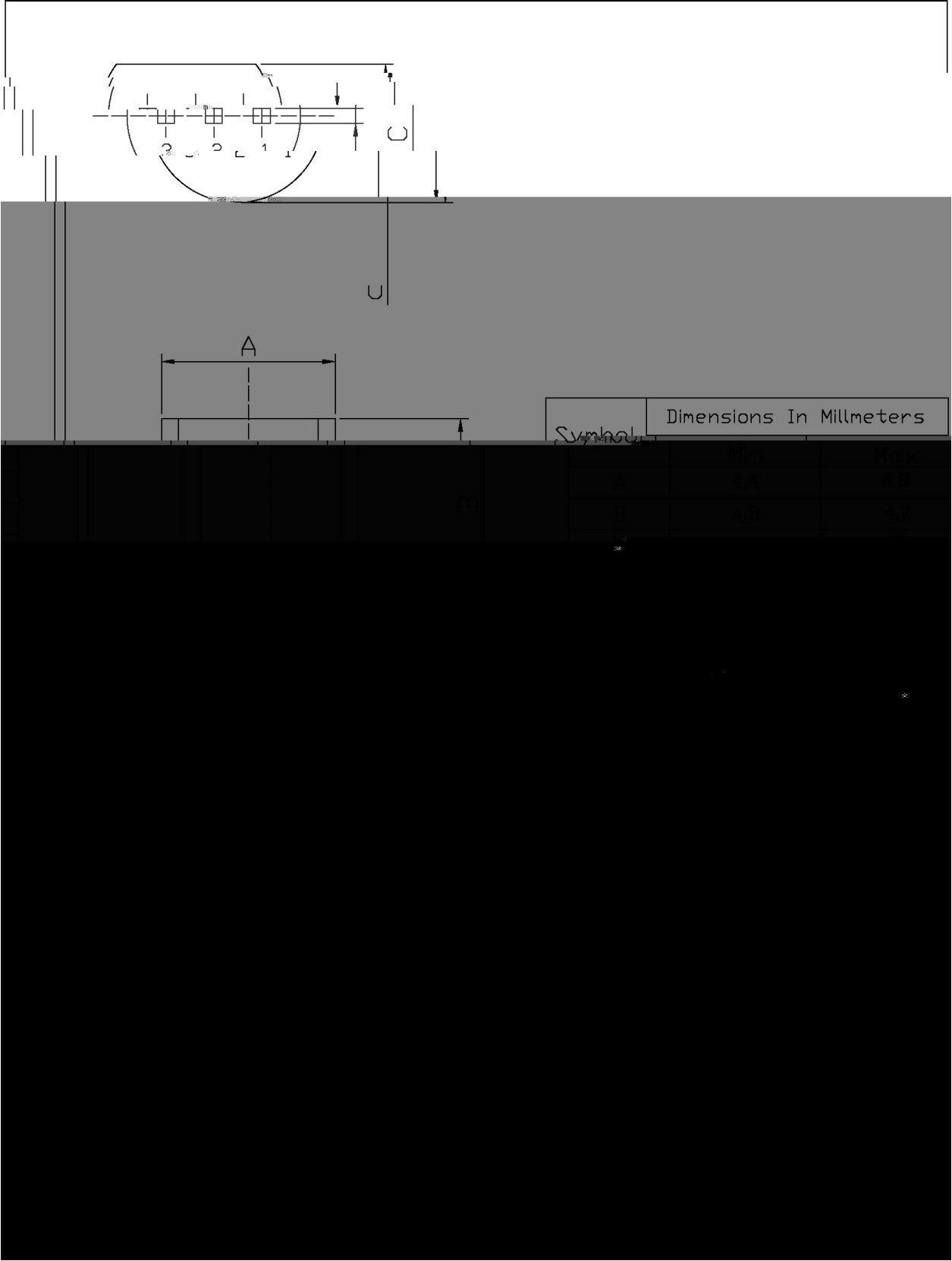
Parameter	Symbol	Rating	Unit
Collector to Base Voltage	V_{CBO}	-60	V
Collector to Emitter Voltage	V_{CEO}	-60	V
Emitter to Base Voltage	V_{EBO}	-5.0	V
Collector Current - Continuous	I_C	-3.0	A
Peak Collector Current- Continuous	I_{CM}	-6.0	A
Collector Power Dissipation	P_C	0.9	W
Junction Temperature	T_j	150	
Storage Temperature Range	T_{stg}	-55 150	

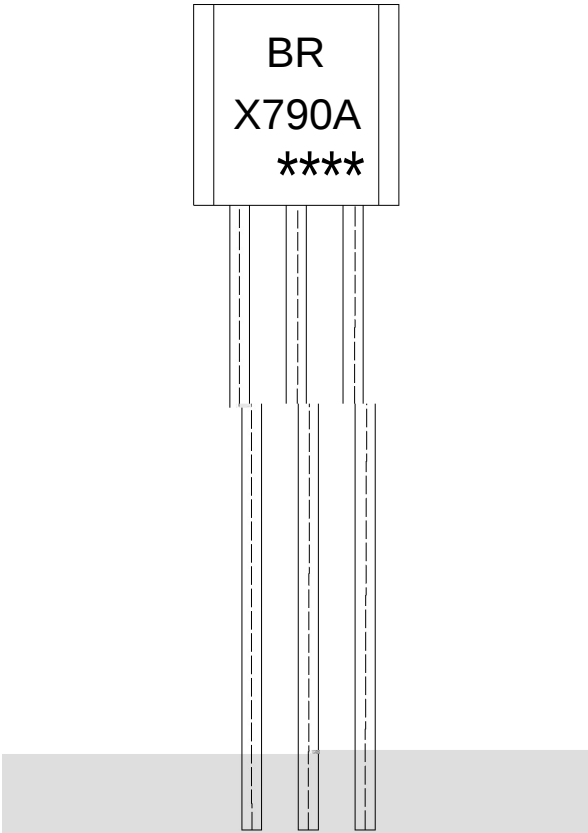
Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Collector to Base Breakdown Voltage	V_{CBO}	$I_C = -100\mu A$ $I_E = 0$	-60			V
Collector to Emitter Breakdown Voltage*	$*V_{CEO}$	$I_C = -10mA$ $I_B = 0$	-60			V
Emitter to Base Breakdown Voltage	V_{EBO}	$I_E = -100\mu A$ $I_C = 0$	-5.0			V
Collector Cut-Off Current	I_{CBO}	$V_{CB} = -30V$ $I_E = 0$			-0.1	μA
Emitter Cut-Off Current	I_{EBO}	$V_{EB} = -4.0V$ $I_C = 0$			-1.0	μA
DC Current Gain	$*h_{FE(1)}$	$V_{CE} = -2.0V$ $I_E = -500mA$	100	200	300	
	$*h_{FE(2)}$	$V_{CE} = -2.0V$ $I_C = -10mA$	100	200		
	$*h_{FE(3)}$	$V_{CE} = -1.0V$ $I_C = -3.0A$	90	130		
Collector to Emitter Saturation Voltage	$*V_{CE(sat)(1)}$	$I_C = -0.5A$ $I_B = -50mA$			-0.15	V
	$*V_{CE(sat)(2)}$	$I_C = -1.0A$ $I_B = -100mA$			-0.3	V
	$*V_{CE(sat)(3)}$	$I_C = -2.0A$ $I_B = -200mA$			-0.5	V
	$*V_{CE(sat)(4)}$	$I_C = -3.0A$ $I_B = -300mA$			-0.7	V
Base to Emitter Saturation Voltage*	$*V_{BE(sat)}$	$I_C = -1.0A$ $I_B = -100mA$		-0.8	-1.0	V
Base to Emitter Voltage	V_{BE}	$V_{CE} = -2.0V$ $I_C = -1.0A$		-0.8	-1.0	V $= -1.0A$ 7.02 2



T0-92

Unit: mm

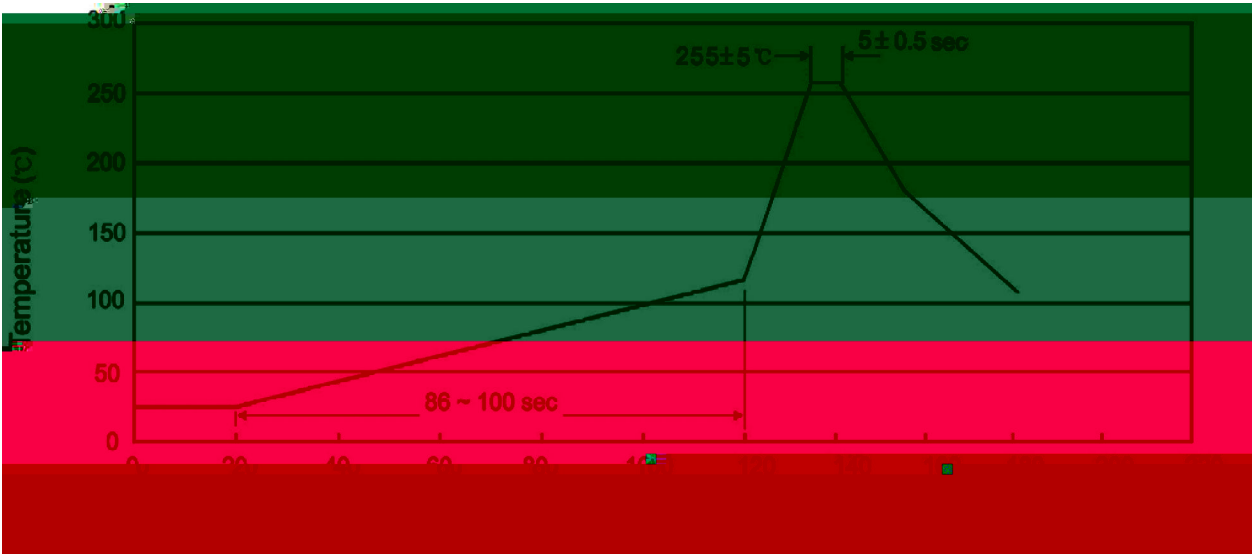




BR:
X790A

Note:

BR:	Company Code.
X790A:	Product Type.
****:	Lot No. Code,code change with Lot No.



Note:

- 1

25 150

60 90sec;
- 2

255±5

5±0.5sec;
- 3

2 10 /sec.
- 1.Preheating:25~150 , Time:60~90sec.

2.Peak Temp.:255±5 , Duration:5±0.5sec.

3. Cooling Speed: 2~10 /sec.

270±5

10±1 sec.

Temp:270±5

Time:10±1 sec

/ BULK

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm3)		
	Units/Bag 只/袋	Bags/Inner Box 袋/盒	Units/Inner Box 只/盒	Inner Boxes/Outer Box 盒/箱	Units/Outer Box 只/箱	Bag 袋	Inner Box 盒	Outer Box 箱
TO-92	1,000	10	10,000	5	50,000	135×190	237×172×102	560×245×195
	1,000	10	10,000	10	100,000	135×190	237×172×102	560×245×375

/ AMMO

Package Type 封装形式	Units 包装数量					Dimension 包装尺寸 (unit: mm3)	
	Units/tape 只/纸带	Tape/Inner Box 纸带/盒	Rows/Inner Box 纸带层/盒	Inner Boxes/Outer Box 盒/箱	Units/Outer Box 只/箱	Inner Box 盒	Outer Box 箱
TO-92	3,000	1	120	10	30,000	328×230×42	小箱 480×346×235, 大箱 547×407×268